

High School to College Articulation Map

Area of Study: Trade & Technology Education

Pathway: Precision Production Trades-Drafting/CAD

National Career Cluster: Architecture & Construction

<u>Region</u> Uintah Basin	<u>District</u> Duchesne, Uintah	<u>College / Institution</u> Uintah Basin Applied Technology College
<u>School</u> Union, Uintah		<u>Articulation Agreement in place?</u> Yes X No
<u>Contact person</u> Bob Naylor	<u>Ph.#</u> 435-722-4523	<u>Name of Degree or Certificate</u> AAT Computer Aided Drafting
<u>e-mail</u> bob@ubatc.edu	<u>Date</u> 10/25/06	

High School				College		
Course #	High School Suggested Courses	H.S. Credit	College Credits	Course #	College General Education Requirements (13 Credits Required)	Credits
MATH 1050	*College Algebra	1.0	(4) 120 hr	MATH 1050	College Algebra	(4) 120 hr
ENG 1010	*Intro to Writing	1.0	(3) 90 hr	ENG 1010	Intro to Writing	(3) 90 hr
PS or LS	*Life or Physical Science	1.0	(3) 90 hr	PS or LS	Life or Physical Science	(3) 90 hr
CA, HU, SS	*Creative Arts, Humanities, or Social Science	1.0	(3) 90 hr	CA, HU, SS	Creative Arts, Humanities, or Social Science	(3) 90 hr
H.S.Total (General Ed.)And Other Available Credits			(16) 480 hr	College Total Credits		
Course CIP #	High School Career Pathway Courses (min. 4 credits Required)	H.S. Credit	College Credits	Course #	College Major Course Requirements	Credits
					REQUIRED CORE COURSES (690 HOURS REQUIRED)	
52.0417	Computer Technology	.5	90 hrs	BTEC 1110	Computer Literacy	90 hr
Course #	Foundation Courses: (2 credits required)	Credit				
15.1301	Drafting & Design Technology	.50	60 hrs			
15.1302	CAD Drafting	.50	60 hrs	DRFT 1010	Technical Drafting	120 hrs
				DRFT 1020	Basic CAD	120 hrs
15.1303	Architectural Drafting	1.00	120 hrs	DRFT 1030	Architectural Drafting	120 hrs
				DRFT 1040	Pictorial Drafting	90 hrs
				DRFT 1070	Applied Technical Math	90 hrs
				WKSK 1400	Work Place Relations	60 hrs
					ELECTIVE COURSES (810 HOURS REQUIRED)	
15.1304	Mechanical Drafting	1.00	120 hrs	DRFT 2110	Mechanical Drafting	60 hrs
				DRFT 2120	Machine Design	60 hrs
	Elective Courses: (1 credit requires)					
46.0201	Carpentry	1.00				
48.0503	Machine Tool	1.00				
48.0701	Woodworking	.50				
32.0199	Student Internship (Critical Workplace Skills)	.50		DRFT 2910	Cooperative Work Experience	15-180 hrs

	<u>Additional Articulated Classes Below</u>					
15.1304	Production Drafting (GD&T)	.75	90 hrs	DRFT 2130	Production Drafting (GD&T)	90 hrs
15.1304	Engineering Design	.75	90 hrs	DRFT 2140	Engineering Design	90 hrs
				DRFT 2150	3D Parametric Solid Modeling	120 hrs
				DRFT 2190	Special Problems in Mechanical Design*	15-60 hrs
				DRFT 2210	Advanced Computer Aided Drafting	90 hrs
15.1304	Computer Numerical Control (CNC)	.75	90 hrs	DRFT 2240	Computer Numerical Control (CNC)	90 hrs
				DRFT 2290	Special Problems in CAD Design	15-60 hrs
15.1303	Residential Architectural Drafting	1.0	120 hrs	DRFT 2310	Residential Architectural Drafting	120 hrs
				DRFT 2320	Commercial Drafting & Detailing	120 hrs
				DRFT 2330	Architectural 3D Modeling & Rendering	90 hrs
				DRFT 2340	Architectural CAD	90 hrs
				DRFT 2390	Special Problems in Architectural Design	15-60 hrs
				DRFT 2720	Topographic Drafting	90 hrs
				DRFT 2710	Civil Drafting	90 hrs
				DRFT 2730	Surveying	90 hrs
				DRFT 2790	Special Problems in Civil Design	15-60 hrs
				DRFT 2610	Process Pipe Drafting	90 hrs
				DRFT2690	Special Problems In Process Pipe Design	15-60 hrs
				DRFT 2900	Special Applications	1-150 hrs
				WKSK 1500	Job Seeking Skills	30 hrs
Total Pathway Credits			960 hrs	→	Total Major Course Credits Required	810 hrs
TOTAL Potential(college) Credits Earned in High School			1440hrs		TOTAL Credits Required for Major	1890hrs

*Concurrent enrollment general education courses will be taken from Utah State University – Uintah Basin.

Note: This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:*= concurrent **= distant** **updated 10/25/06**